



OFFICE MEMORANDUM

DATE: January 23, 2002

TO: Region Engineers
Region Associate Delivery Engineers
Region Construction Engineers
Resident/Project Engineers/TSC Managers

FROM: Larry E. Tibbits
Chief Operations Officer

Gary D. Taylor
Chief Engineer/Deputy Director
Bureau of Highway Technical Services

SUBJECT: Bureau of Highway Instructional Memorandum **2002-01-- Revised**
2001 Edition of the Construction and Technology Division's
Procedures Manuals

This BOH IM replaces BOH IM 2002-01 dated January 22, 2002. Information on page 3 beginning with Hot Mix Asphalt QC/QA Procedures Manual of Field Testing was corrected.

The Construction and Technology manuals listed below have been revised to reflect changes in the *2003 Interim Standard Specifications for Construction*, including conversion to U.S. Customary units and changes in our materials quality assurance programs. The manuals are being published in dual units in order to allow their use with projects using *2003 Interim Standard Specifications for Construction* and with the projects using the *1996 Standard Specifications for Construction* let after the date this instructional memorandum is issued.

All holders of the manuals included in the MDOT Publications Office database will be notified of the availability of the new manuals. Questions concerning the revisions may be directed to Judy Ruszkowski, Engineer of Specifications, at ruszkowskij@michigan.gov. Information on obtaining the manuals, including all future revisions, should be directed to MDOT's Publications Office at publications@michigan.gov or www.mdot.state.mi.us/mappub/printindex.htm.

Michigan Test Methods

In addition to conversion to dual units throughout, the following MTMs have been deleted from the Michigan Test Methods manual. The test methods deleted have been replaced by test methods developed by national standards organizations or that are no longer in use at MDOT due to changes in materials specifications or acceptance criteria.

MTM 204	Pavement Riding Quality
MTM 301	Recovery of Asphalt from Solution by Abson Method
MTM 302	Emulsified Asphalts
MTM 310	Separation of Polymer
MTM 312	Elastic Recovery of Asphaltic Material
MTM 316	Penetration of Bituminous Materials
MTM 317	Ductility of Bituminous Materials
MTM 603	Determining the Amount of Calcium Chloride and Magnesium Chloride in Solutions by the EDTA Method
MTM 608	Determining the Amount of Zinc and Clear Coat on a Fence Post with a Multi-Coated System
MTM 610	Volatile Organics in Water by Purge and Trap Capillary Chromatography with Photoionization and Electrolytic Conductivity Detectors in Series
MTM 611	Determination of Diamond Content in Concrete Saw Blades
MTM 612	Analysis of CCA Treated Wood by X-Ray Spectroscopy
MTM 705	Culvert Site Field Evaluation and Sample Selections
MTM 714	Details of Sampling Timber Guardrail Posts, Blocks and Sign Posts for Chemical Treatment Tests

Materials Quality Assurance Procedures Manual

In addition to conversion to dual units throughout, several procedures for adding materials and suppliers to Qualified Products Lists have been deleted. These deletions were made either because the 2003 specifications cite a national materials standard rather than the MDOT Qualified Products List, or because the material is no longer specified for use on MDOT projects.

The Qualified Products List for these materials will continue to be published in the Materials Source Guide and may be used for acceptance of materials on projects let under the 1996 standard specifications. However, new suppliers and materials will no longer be evaluated and added to the lists. If future materials meet the requirements of the *2003 Interim Standard Specifications for Construction*, they are acceptable for use on MDOT projects.

- 603.02.G Bond Breaker Tape for Hot-Poured Joint Sealant
- 702.03.B.2.i Non-Shrinking Mortar and Grout, Premixed, Type H-2 (Metallic)
- 702.03.B.2.ii Non-Shrinking Mortar and Grout, Type H-2, Job-Mixed, Admixtures
- 712.03.U SP Epoxy Grout Under Masonry Plates
- 812.02.B Retroreflective Sheeting for Temporary Signing
- 812.02.B.1.i Flexible Roll Up Signs
- 812.02.C.2 Plastic Drums
- 812.02.C.4.a Barrier Reflector Markers

812.02.E.1.g Solar Assist Lighted Arrow, Type C
812.02.E.2 Type C Steady Burn Warning Lights, LED
914.08 Dowel Bar Caps for Transverse Expansion Joints
914.08.A.i Coating for Dowel Bars, Type A Coatings (Polyethylene)

Hot Mixed Asphalt QC/QA Procedures Manual of Field Testing

In addition to changes to conform to the *2003 Interim Standard Specifications for Construction* and associated special provisions, this manual has been revised to reflect changes implemented in the HMA QA program by BOH-IM 2001-13, Sampling and Testing of Bituminous Cores, dated September 27, 2001.

Procedures Manual For Mix Design Processing

Updated to reflect changes in HMA mix design review procedures.

Manual for the Certification of Hot Mix Asphalt Plants

Updated to reflect changes in the operation and equipment at HMA plants.

Soil Erosion and Sedimentation Control Manual

Updated to reflect changes in the standard specifications and improvements in the approved soil erosion and sedimentation control plan.

Larry E. Tibbits

Chief Operations Officer

Gary D. Taylor, Chief Engineer/Deputy Director
Bureau of Highway Technical Services

BOHTS:C&T:JAR:ams:kab

Subject Index: Procedures Manuals

cc: C & T Division Staff
Real Estate Div.,
M. Frierson
Design Div., P. Miller
Mtnce. Div.,
C. Roberts
Traffic&Safety Div.,

J. O'Doherty
C & T Division, J. Culp
OEO - S. El Ahmad
J. Klee
R. Knapp
V. Blaxton
B. Jay

K. Trentham
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